

DRILL HOLES

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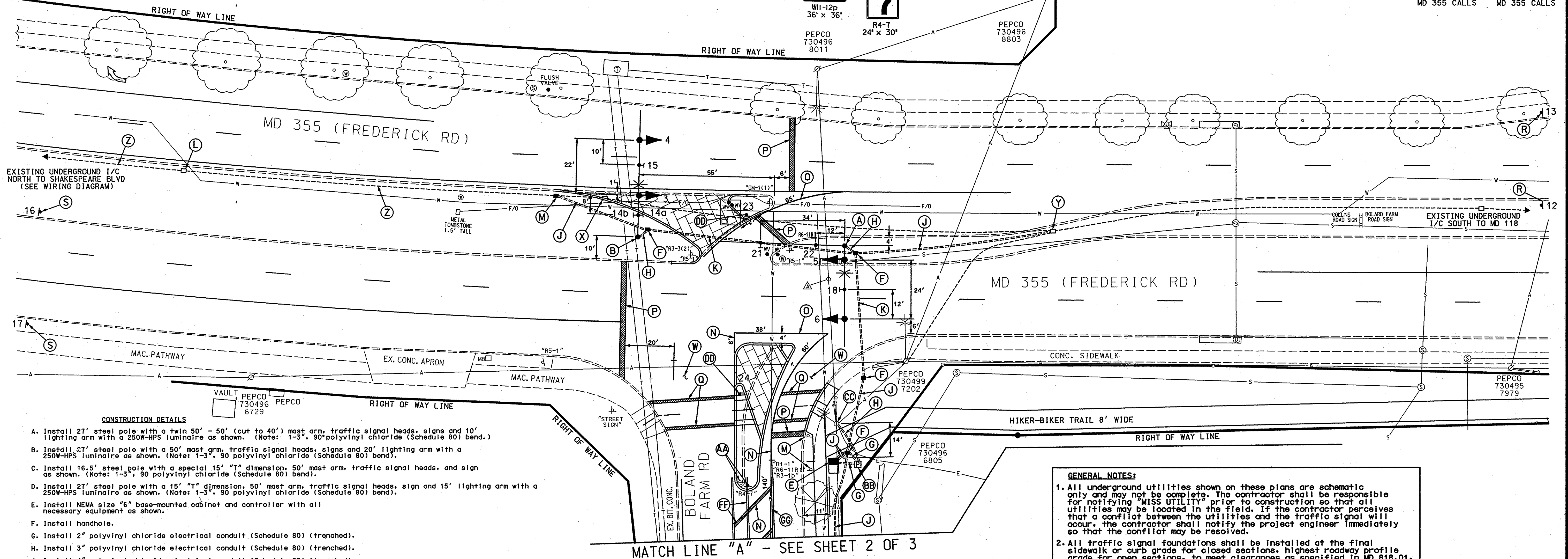
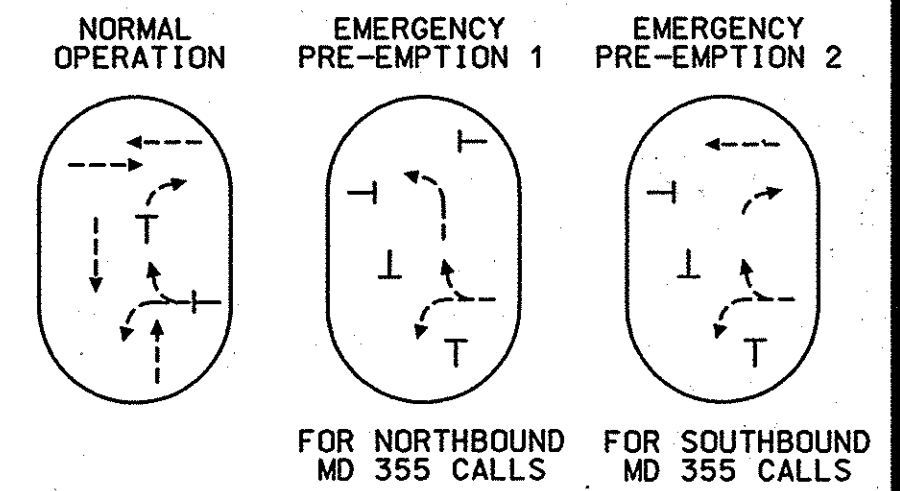
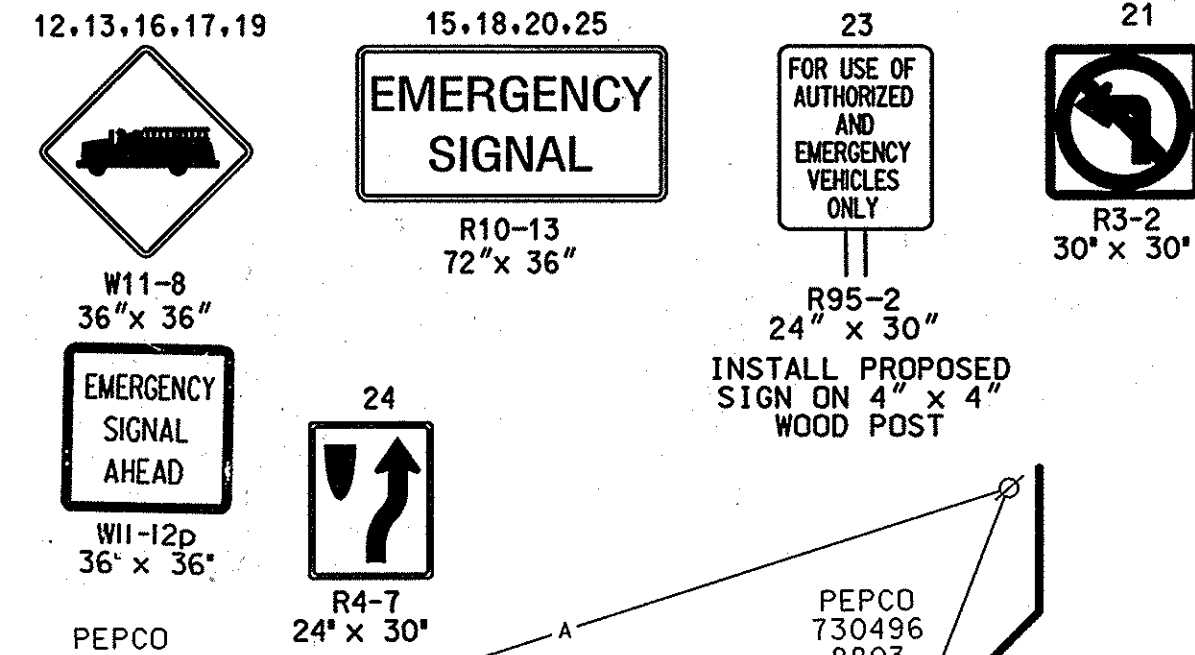
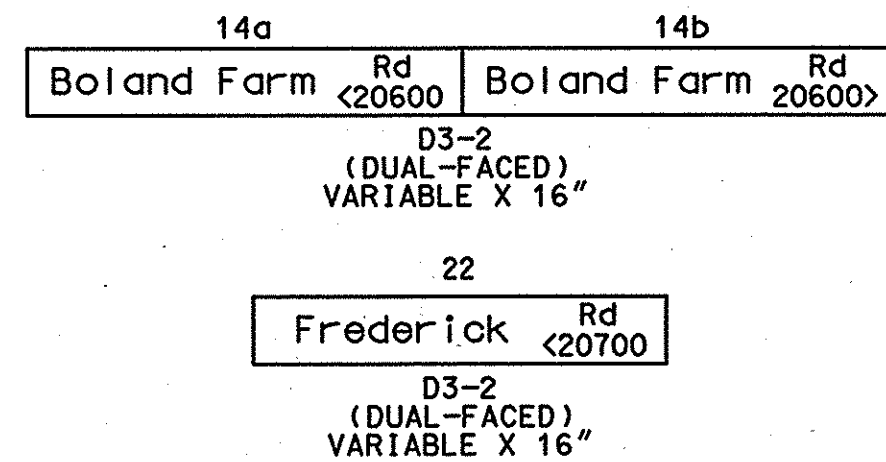
DRILL HOLES

BORDER REV. DATE: June 1, 2004

PROPOSED SIGNS

PROPOSED LED SIGNALS

PHASING

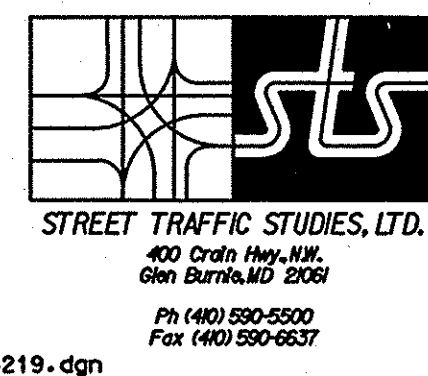


- CONSTRUCTION DETAILS**
- Install 27' steel pole with a twin 50' - 50' (cut to 40') mast arm, traffic signal heads, signs and 10' lighting arm with a 250W-HPS luminaire as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
 - Install 27' steel pole with a 50' mast arm, traffic signal heads, signs and 20' lighting arm with a 250W-HPS luminaire as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
 - Install 16.5' steel pole with a special 15' "T" dimension, 50' mast arm, traffic signal heads, and sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
 - Install 27' steel pole with a 15' "T" dimension, 50' mast arm, traffic signal heads, sign and 15' lighting arm with a 250W-HPS luminaire as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
 - Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.
 - Install handhole.
 - Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
 - Cut existing 50-pair interconnect cable in handhole. Pull back cable to the handhole located in the south median and reroute to the proposed controller cabinet. The cable to the north must be removed and replaced from the proposed cabinet north to the cabinet at MD 355 and Shakespeare Blvd.
 - Locate existing conduit and install handhole. The contractor must contact Mr. Bob Thorne (contractor for Montgomery County) 72 hours in advance to coordinate sleeving of existing fiber optic line in handhole.
 - Install 10" yellow, thermoplastic pavement marking.
 - Install 10" white, permanent preformed thermoplastic pavement marking. (edgeline)
 - Install 24" white, heat applied permanent preformed thermoplastic pavement marking. (stopline)
 - Install 12" white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk).
 - Install ground mounted sign 450' prior to the proposed stopline.
 - Install ground mounted sign 555' prior to the proposed stopline.
 - Install ground mounted sign 400' prior to the proposed stopline.
 - Fire station electrical contractor to install conduit stub in handbox. (See Wiring Diagram).
 - Install handhole with 50' each of coiled 2-5 conductor cables for use within firehouse. The electrical contractor for the firehouse is to splice cable into proposed pushbutton cables within the firehouse. (See wiring diagram).
 - Remove existing crosswalk pavement marking line.
 - Remove existing handhole. Cap and abandon existing conduit.
 - Use existing handhole.
 - Use existing conduit.
 - Relocate existing ground mounted sign as shown.
 - Install metered service pedestal for power service.
 - Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) and coil 50' of 3 - 1 conductor cable (No. 250 KCMIL) at base of utility pole for electrical services.
 - Install ground mounted sign as shown.

- GENERAL NOTES:**
- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
 - All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in MD 818.01, MD 818.02 MD 818.03 & MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
 - All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
 - All proposed geometrics are to be completed by others. The proposed median break will be constructed with brick pavers and mountable curbs for Emergency Vehicle use only.

- CONSTRUCTION DETAILS (cont.)**
- Install 100' of 5" yellow, thermoplastic pavement markings (Two-way left turn lane).
 - Remove existing pavement marking.
 - Install 5" double yellow thermo plastic pavement marking (centerline)

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---



APPROVALS	REVISIONS
TEAM LEADER <i>[Signature]</i> 10/2/2007	
ASST. DIV. CHIEF <i>[Signature]</i> 11/1/07	
DIVISION CHIEF <i>[Signature]</i> 11/1/07	
OFFICE DIRECTOR	

TRAFFIC SIGNAL PLAN		
SCALE 1"= 20'	DATE 10-11-07	CONTRACT NO. BW966M82
DESIGNED BY R R ZACHERL	COUNTY MONTGOMERY	
DRAWN BY W J NIES	LOGMILE 15035519.06	
CHECKED BY Bruce Thompson	TMS NO. 1674	
F.A.P. NO.	TOD NO.	
TS NO. 4618	DRAWING NO. 1 OF 3	SHEET NO. OF

PLOTTED: THURSDAY, OCTOBER 18, 2007 AT 01:07 PM
FILE: M:\SIGNAL\DESIGN\5000\S\5219\5219.DGN